

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference IPD/P1145/WOD	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/GB96/00099	International filing date (<i>day/month/year</i>) 19/01/96	(Earliest) Priority Date (<i>day/month/year</i>) 20/01/95
Applicant THE SECRETARY OF STATE FOR DEFENCE et al.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Certain claims were found unsearchable (see Box I).
2. Unity of invention is lacking (see Box II).
3. The international application contains disclosure of a **nucleotide and/or amino acid sequence listing** and the international search was carried out on the basis of the sequence listing
 - filed with the international application.
 - furnished by the applicant separately from the international application,
 - but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
 - Transcribed by this Authority
4. With regard to the **title**,
 - the text is approved as submitted by the applicant
 - the text has been established by this Authority to read as follows:
MUTANT LUCIFERASES
5. With regard to the **abstract**,
 - the text is approved as submitted by the applicant
 - the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the **drawings** to be published with the abstract is:

Figure No. _____

 - as suggested by the applicant.
 - because the applicant failed to suggest a figure.
 - because this figure better characterizes the invention.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 96/00099

I. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C12N15/53 C12N9/02 C12Q1/26 C12N1/21 C12N1/19
// (C12N1/21, C12R1:19), (C12N1/19, C12R1:865)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP,A,0 524 448 (KIKKOMAN CORP) 27 January 1993 see claims	1
A	EP,A,0 449 621 (KIKKOMAN CORP) 2 October 1991 see claims	1
P,A	WO,A,95 25798 (UNITED KINGDOM SECRETARY OF STATE FOR DEFENCE, LONDON, UK) 28 September 1995 see claims 1-25	1-24
P,A	WO,A,95 18853 (PROMEGA CORP) 13 July 1995 see claims	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

16 April 1996

Date of mailing of the international search report

09.05.96

Authorized officer

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 96/00099

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP-A-0524448	27-01-93	US-A-	5229285	20-07-93
		JP-A-	5244942	24-09-93
EP-A-0449621	02-10-91	JP-A-	3285683	16-12-91
		US-A-	5330906	19-07-94
		US-A-	5219737	15-06-93
WO-A-9525798	28-09-95	AU-B-	1954595	09-10-95
WO-A-9518853	13-07-95	AU-B-	1830395	01-08-95
		CA-A-	2157476	13-07-95
		EP-A-	0689587	03-01-96